ET420197798 45

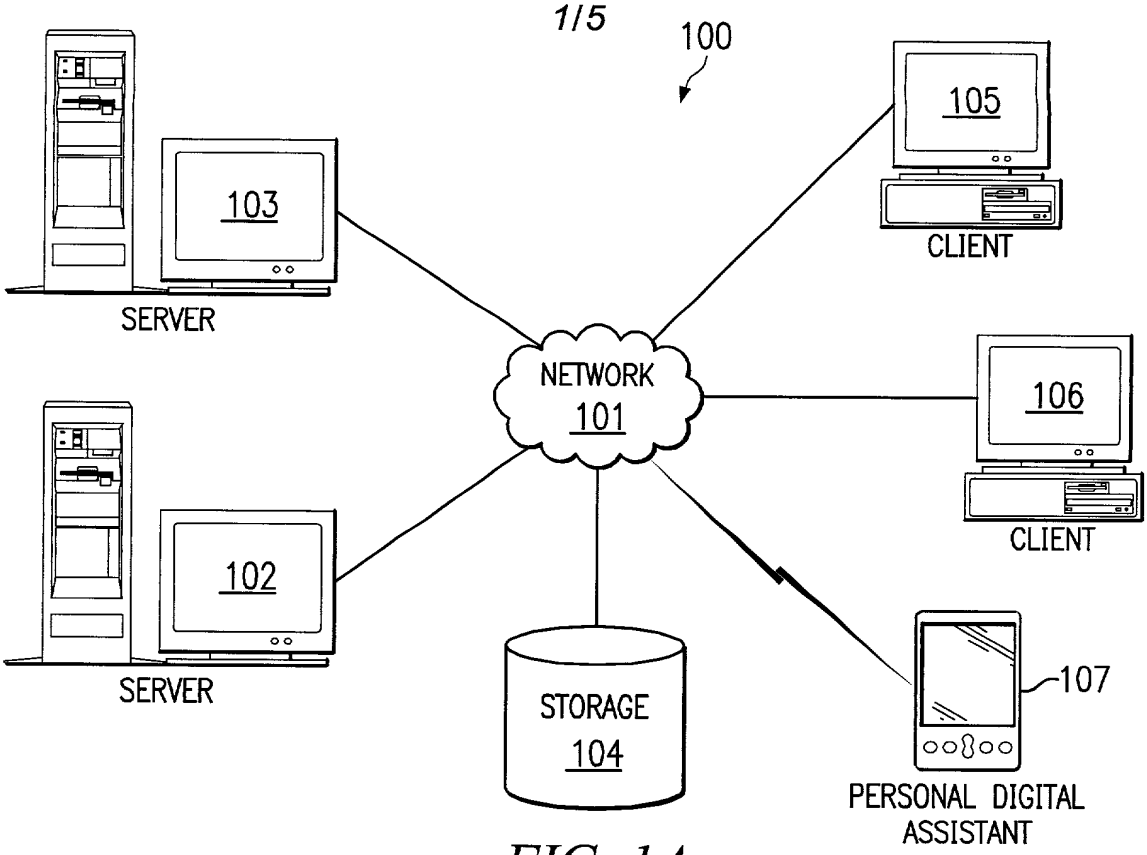

FIG. 1A
(PRIOR ART)

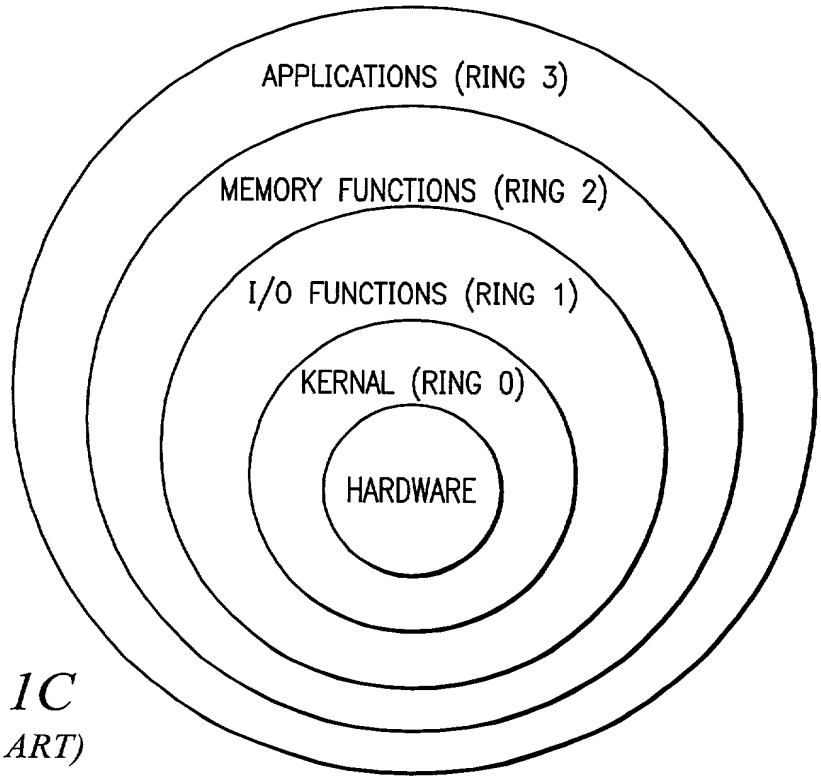

FIG. 1C
(PRIOR ART)

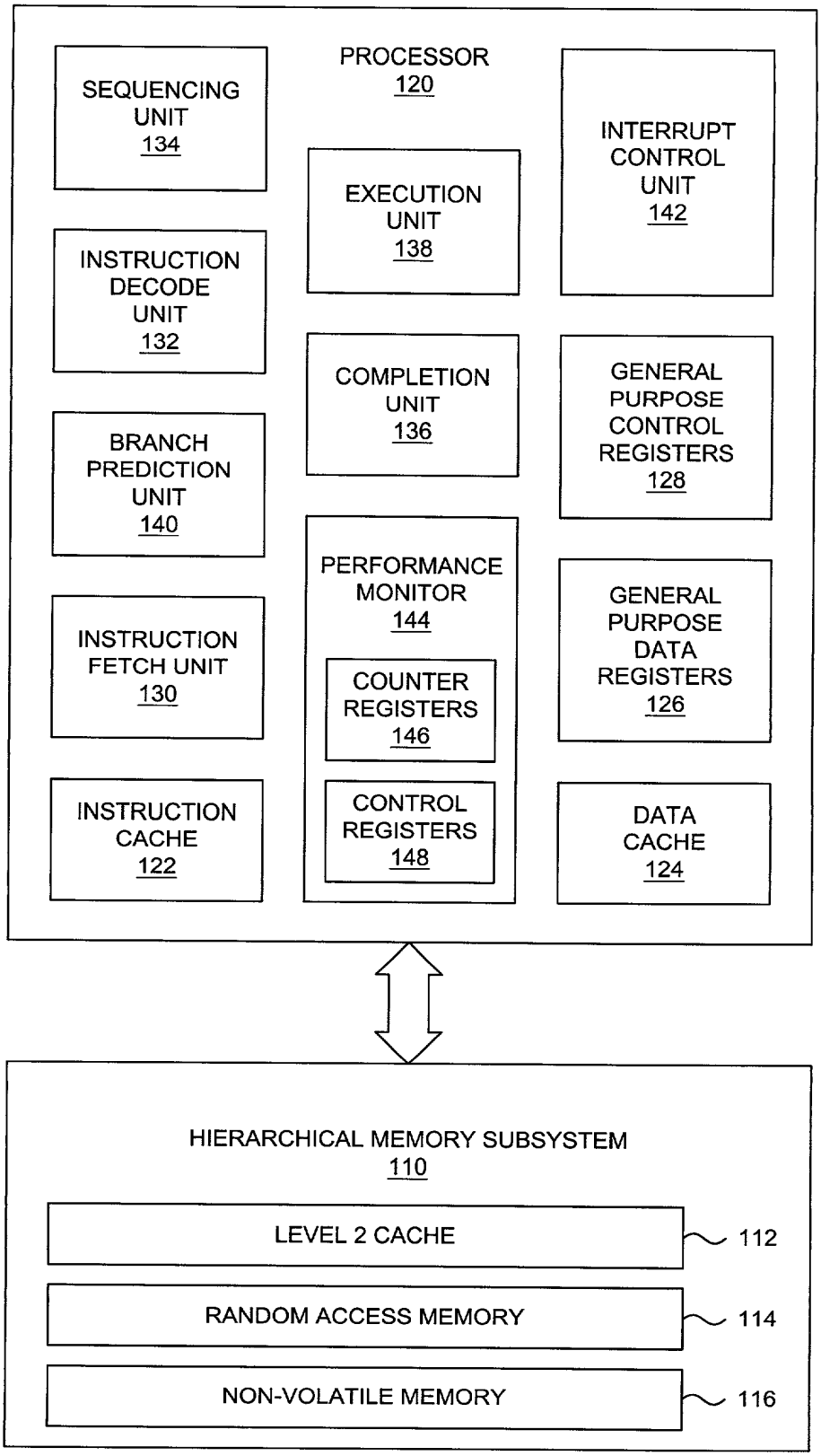

FIG. 1B
(PRIOR ART)

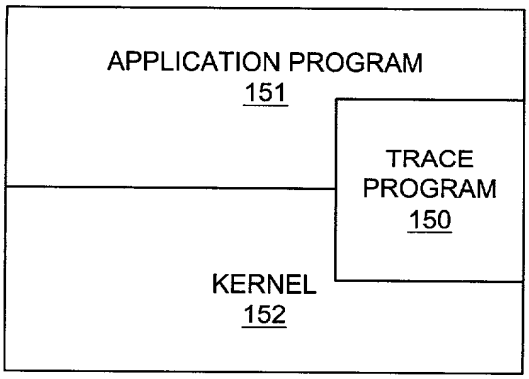

FIG. 1D
(PRIOR ART)

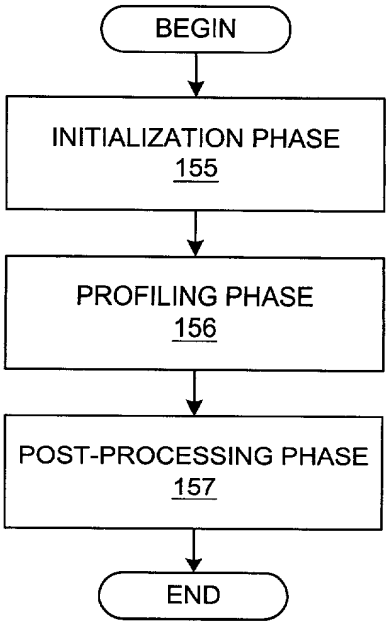

FIG. 1E
(PRIOR ART)

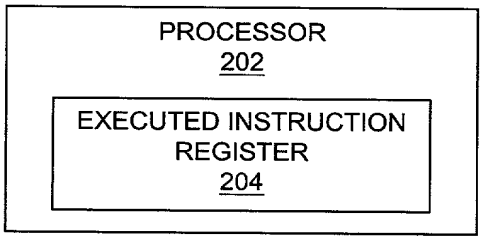

FIG. 2A

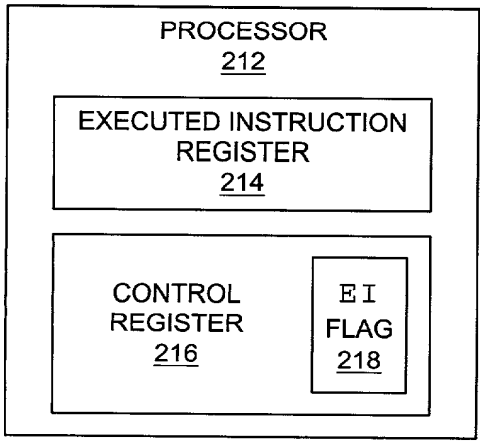

FIG. 2B

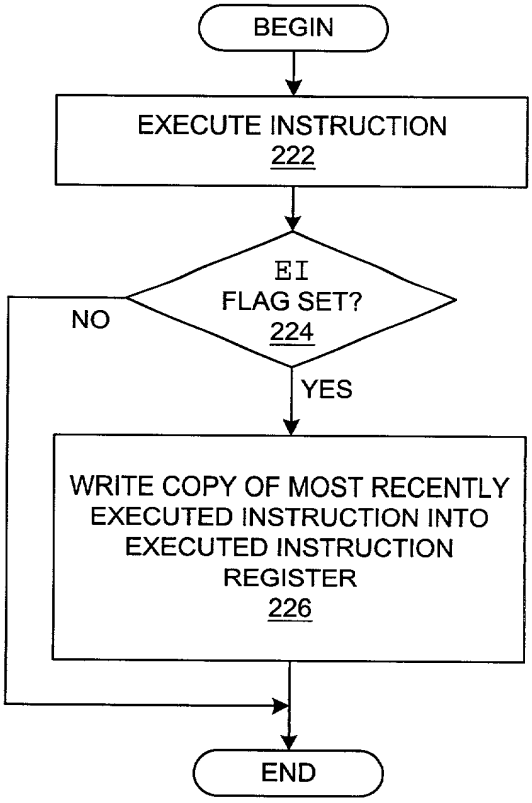

FIG. 2C

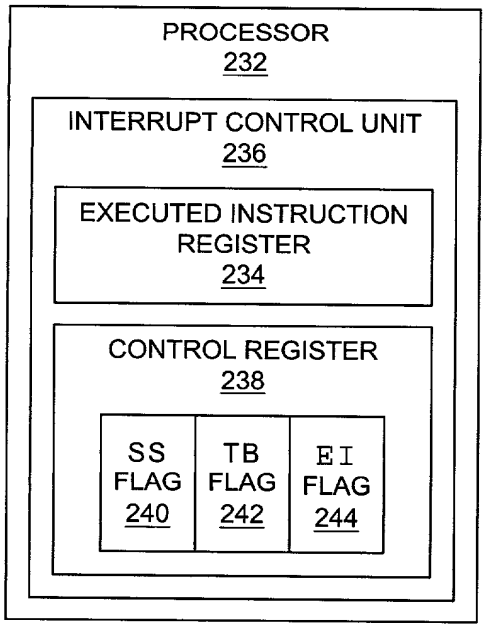

FIG. 2D

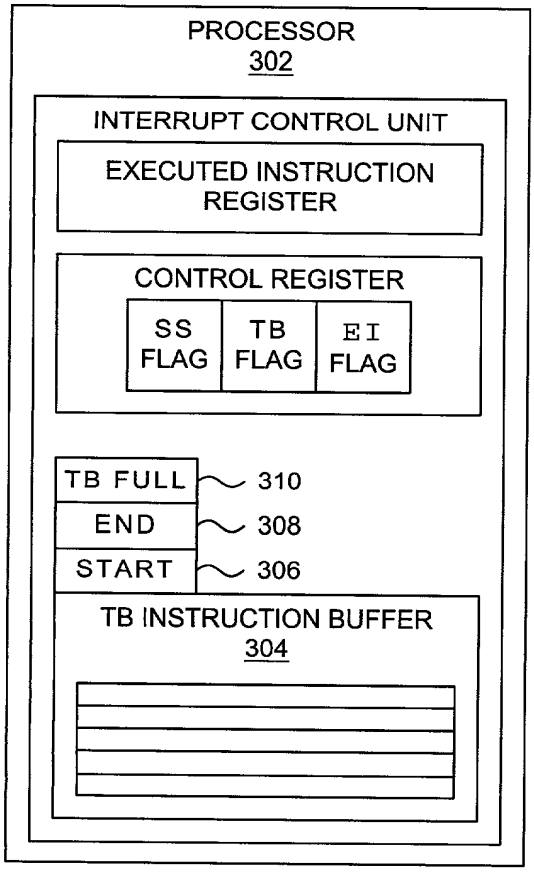

FIG. 3A

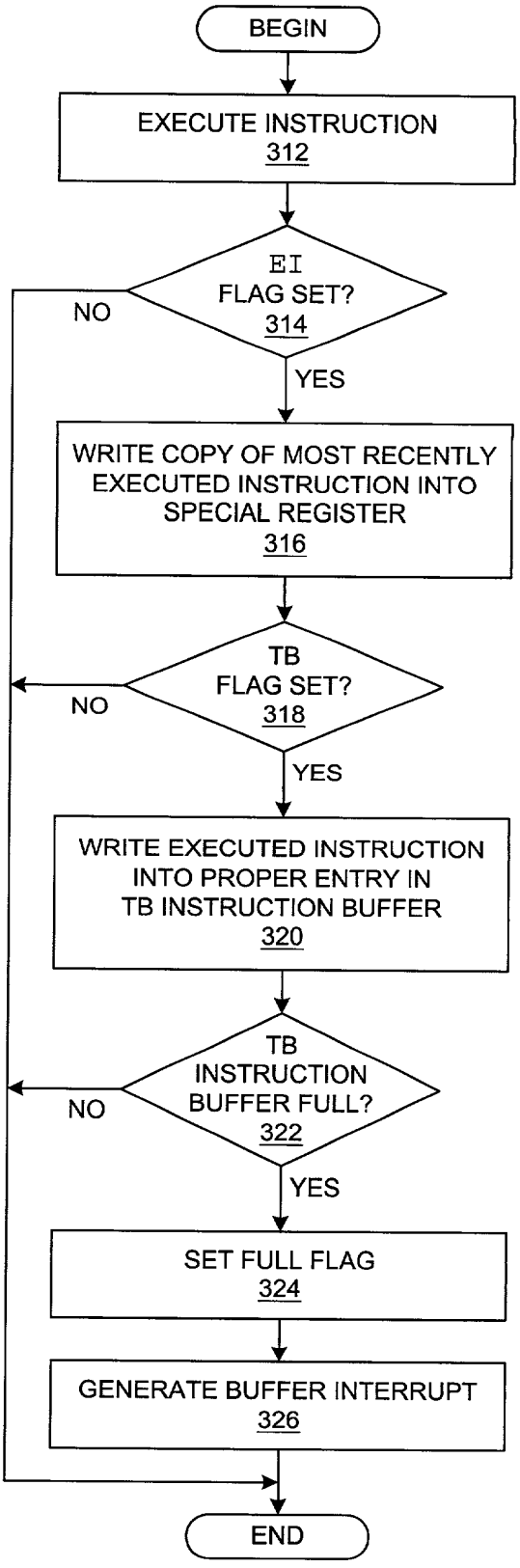

FIG. 3B

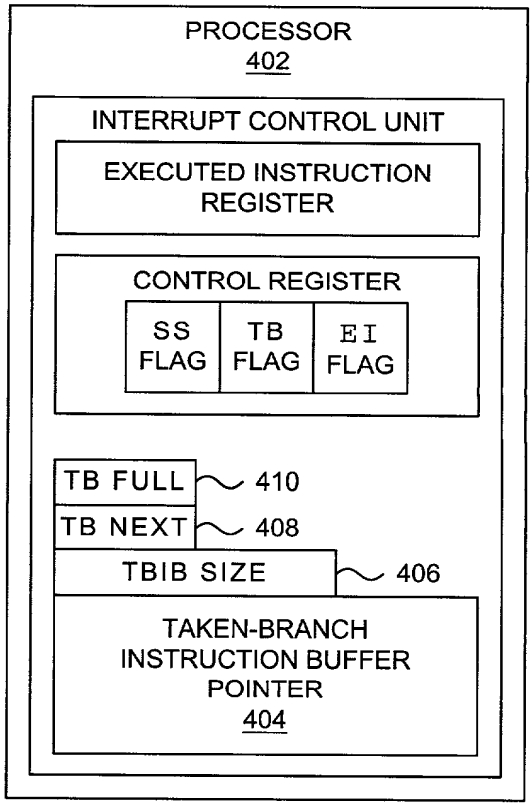
PROCESSOR
402
INTERRUPT CONTROL UNIT
EXECUTED INSTRUCTION REGISTER
CONTROL REGISTER
SS FLAG
TB FLAG
EI FLAG
TB FULL
410
TB NEXT
408
TBIB SIZE
406
TAKEN-BRANCH INSTRUCTION BUFFER POINTER
404

FIG. 4